

## ABSTRACT

An abnormality detecting device of a fuel cell system according to the invention includes a hydrogen off-gas circulation passage (32) for making hydrogen off-gas discharged from a fuel cell (20) flow back to an anode (22); a discharge passage (33) for discharging part of the hydrogen off-gas, which is circulated through the hydrogen off-gas circulation passage (32), from the hydrogen off-gas circulation passage (32); a hydrogen discharge valve (A3) provided in the discharge passage (33); abnormality determining means (90) for determining whether an abnormality has occurred in opening/closing of the hydrogen discharge valve (A3); and gas state quantity detecting means (S1) for detecting a gas state quantity of the hydrogen off-gas, the gas state quantity detecting means (S1) being provided in the discharge passage (33) at a position downstream from the hydrogen discharge valve (A3). The abnormality determining means (90) determines whether an abnormality has occurred in opening/closing of the hydrogen discharge valve (A3) based on the gas state quantity of the hydrogen off-gas.

Selected drawing: FIG 1

Best Available Copy